10/048,212
L/Cook 5/18/06
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(FILE 'HOME' ENTERED AT 15:52:28 ON 17 MAY 2006)

FILE 'BIOSIS, CAPLUS, EMBASE, MEDLINE, JAPIO' ENTERED AT 15:52:41 ON 17 MAY 2006

L1	19	S (BOVINE SERUM ALBUMIN FRAG?)
L2	9	DUPLICATE REMOVE L1 (10 DUPLICATES REMOVED)
L3	0	S L2 AND PROTEASE?
L4	0	S L2 AND REVIEW?
L5	6	S (FRAG? BOVINE SERUM ALBUMIN)
L6	4	DUPLICATE REMOVE L5 (2 DUPLICATES REMOVED)
L7	1820	S (BOVINE SERUM ALBUMIN) AND PROTEASE?
L8	22	S L7 AND AGGLUTIN?
L9	13	DUPLICATE REMOVE L8 (9 DUPLICATES REMOVED)
L10	9	S L9 AND ANTIB?

d his

(FILE 'HOME' ENTERED AT 15:52:28 ON 17 MAY 2006)

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L8	22	S L7 AND AGGLUTIN?
L9	13	DUPLICATE REMOVE L8 (9 DUPLICATES REMOVED)
L10	9	S L9 AND ANTIB?

ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1980:92528 CAPLUS
DN 92:92528
ED Entered STN: 12 May 1984
TI Immunochemistry of serum albumin. VIII. The antigenic reactivity of the third domain of bovine serum albumin resides in the last subdomain. A dynamic examination of the change of antibody affinity and specificity
AU Sakata, Shigeki; Reed, Roberta G.; Peters, Theodore, Jr.; Atassi, M. Zouhair
CS Dep. Immunol., Mayo Med. Sch., Rochester, MN, 55901, USA
SO Molecular Immunology (1979), 16(9), 703-9
CODEN: MOIMD5; ISSN: 0161-5890
DT Journal
LA English
CC 15-2 (Immunochemistry)
AB The plateau values of 125I-labeled antibody binding by the rabbit immunoadsorbents to **bovine serum albumin fragments** 377-571 and 504-581 changed with time after the initial immunization, but were, for a given antiserum, identical in all serial antiserums obtained from 15-39 days. In very early antiserums (7 days) the larger fragment (377-571) possessed a higher immunochem. reactivity than the small fragment (504-581). Comparison of the inhibitory activities of the 2 fragments towards the binding of albumin-125I and 125I-labeled fragment 377-571 with serial antiserums to bovine serum albumin in a Farr assay showed that fragments 377-571 and 504-581 exhibited comparable inhibitory activities, and that fragment 504-581 could completely inhibit the binding of the 125I-labeled fragment 377-571. Acid dissociation studies showed that the affinities of serial 125I-labeled antibodies for immunoadsorbents increased, whereas their heterogeneity decreased with time after immunization. Thus, although in very early (7 days) antiserums the larger fragment probably carries some addnl. antigenic sites, the shared antigenic sites become completely immunodominant relatively early (15 days) after the first immunization.
ST albumin serum antigen reactivity
IT Albumins, blood serum
RL: BIOL (Biological study)
(antigenic determinants of, of last subdomain of the third domain)
IT Antigens
RL: BIOL (Biological study)
(determinants, of serum albumin third domain last subdomain)

ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
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ST albumin serum antigen reactivity
IT Albumins, blood serum
RL: BIOL (Biological study)
(antigenic determinants of, of last subdomain of the third domain)
IT Antigens
RL: BIOL (Biological study)
(determinants, of serum albumin third domain last subdomain)

ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1992:444072 CAPLUS
DN 117:44072
ED Entered STN: 08 Aug 1992
TI Fecal sample immunoassay composition and method
IN Grow, Michael A.; Shah, Vipin D.
PA International Immunoassay Laboratories, Inc., USA
SO U.S., 10 pp. Cont.-in-part of U.S. Ser. No. 10,787, abandoned.
CODEN: USXXAM
DT Patent
LA English
IC ICM G01N033-72
INCL 436066000
CC 9-10 (Biochemical Methods)
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5094956	A	19920310	US 1989-329455	19890328
	JP 63271160	A2	19881109	JP 1988-22945	19880204
	US 5198365	A	19930330	US 1991-764012	19910923
PRAI	US 1987-10787	B2	19870204		
	US 1989-329455	A1	19890328		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 5094956	ICM	G01N033-72
	INCL	436066000
	IPCI	G01N0033-72 [ICM,5]
	IPCR	A61B0010-00 [N,A]; A61B0010-00 [N,C]; A61B0019-00 [N,C]; A61B0019-02 [N,A]; G01N0033-52 [I,A]; G01N0033-52 [I,C]; G01N0033-72 [I,A]; G01N0033-72 [I,C]
	NCL	436/066.000; 435/184.000; 436/008.000; 436/017.000; 436/063.000; 436/177.000; 436/815.000; 436/825.000
JP 63271160	IPCI	G01N0033-53 [ICM,4]; G01N0033-48 [ICS,4]
	IPCR	A61B0010-00 [N,A]; A61B0010-00 [N,C]; A61B0019-00 [N,C]; A61B0019-02 [N,A]; G01N0033-52 [I,A]; G01N0033-52 [I,C]; G01N0033-72 [I,A]; G01N0033-72 [I,C]
US 5198365	IPCI	G01N0033-72 [ICM,5]
	IPCR	A61B0010-00 [N,A]; A61B0010-00 [N,C]; A61B0019-00 [N,C]; A61B0019-02 [N,A]; G01N0033-52 [I,A]; G01N0033-52 [I,C]; G01N0033-72 [I,A]; G01N0033-72 [I,C]
	NCL	436/066.000; 436/008.000; 436/017.000; 436/177.000; 436/815.000; 436/825.000

AB A solid-phase immunoassay for determining Hb in a human stool sample comprises (1) forming a dispersion of 1-10 weight% stool sample in an aqueous fecal test solution containing a buffer, a biocide in a concentration for inhibiting microbial growth, and a proteolytic enzyme inhibitor in a concentration sufficient to inactivate a major proportion of the proteolytic activity; (2) permitting the fecal solids in the dispersion to settle to form a liquid phase substantially free from fecal solids; (3) removing the liquid phase; (4) contacting the liquid test sample with a solid support to which an anti-(human Hb) **antibody** is adhered for a time sufficient to permit **antibody** conjugation with analyte; and (5) determining analyte adhering to the insol. support. Stool samples were dispersed in fecal test solution (0.02 M phosphate-buffered saline, pH7.4, containing NaN3 0.1, **bovine serum albumin** 1.0 weight%, aprotinin 10,000 units/L, and HCHO 694 μL/L) and the clarified stool sample solns. were analyzed by EIA and **agglutination** immunoassay. The immunoassays gave 76% agreement with a com. guaiac paper test.
ST stool sample prepn immunoassay; Hb detn stool immunoassay; occult blood detn stool immunoassay
IT Hemoglobins
RL: ANT (Analyte); ANST (Analytical study)

(determination of, in stool by immunoassay, sample preparation in)
IT Immunoassay
(fecal sample preparation for)
IT Anti-infective agents
Buffer substances and systems
Albumins, uses
RL: ANST (Analytical study)
(in stool sample preparation for immunoassay)
IT Proteins, uses
RL: SPN (Synthetic preparation); PREP (Preparation)
(in stool sample preparation for immunoassay)
IT Blood analysis
(occult, by ELISA, stool preparation for)
IT Feces
(preparation of, for immunoassay)
IT **Antibodies**
RL: ANST (Analytical study)
(to Hb, immobilized, in Hb immunoassay in stool)
IT 50-00-0, Formaldehyde, biological studies 9087-70-1, Aprotinin
26628-22-8, Sodium azide 37205-61-1, **Protease** inhibitor
RL: ANST (Analytical study)
(in stool sample preparation for immunoassay)
IT 9001-78-9, Alkaline phosphatase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitor, in stool sample preparation for immunoassay)

ANSWER 2 OF 9 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 1992:92221 BIOSIS
DN PREV199293048771; BA93:48771
TI ALBOAGGREGIN B A NEW PLATELET AGONIST THAT BINDS TO PLATELET MEMBRANE GLYCOPROTEIN IB.
AU PENG M [Reprint author]; LU W; KIRBY E P
CS DEP BIOCHEM, THROMBOSIS RES CENT, PHILADELPHIA, PA 19140, USA
SO Biochemistry, (1991) Vol. 30, No. 49, pp. 11529-11536.
CODEN: BICHAW. ISSN: 0006-2960.
DT Article
FS BA
LA ENGLISH
ED Entered STN: 12 Feb 1992
Last Updated on STN: 12 Feb 1992
AB A new protein, called alboaggregin-B (AL-B), has been isoalted from Trimeresurus albolabris venom by ion-exchange chromatography. It **agglutinated** platelets without the need for Ca2+ or any other cofactor. The purified protein showed an apparent molecular mass on SDS-PAGE and gel filtration of about 23 kDa under nonreducing conditions. Ristocetin did not alter the binding of AL-B to platelets or affect AL-B-induced platelet **agglutination**. **Agglutinating** activity was not dependent on either proteolytic or lectin-like activity in AL-B. Binding analysis showed that AL-B bound to platelets with high affinity (Kd = 13.6 ± 9.3 nM) at approximately 30,800 ± 14,300 binding sites per platelet. AL-B inhibited the binding of labeled bovine von Willebrand factor (vWF) to platelets. Monoclonal **antibodies** against the 45-kDa N-terminal domain of platelet glycoprotein Ib inhibited the binding both of AL-B and of bovine vWF to platelets, and also inhibited platelet **agglutination** induced by AL-B and bovine vWF. Specific removal of the N-terminal domain of GPIb by treatment of the platelets with elastase or Serratia marcescens **protease** reduced the binding of labeled AL-B and bovine vWF to platelets and blocked platelet **agglutination** caused by both agonists. Monoclonal **antibodies** to glycoprotein IIb/IIIa, to bovine vWF, and to **bovine serum albumin** did not show any effect on the binding of AL-B to platelets. Our results indicate that the binding domain for AL-B on platelet GPIb is close to or identical with the one for vWF. This new protein may be a very useful tool for studying the interaction between platelets and vWF.
CC Biochemistry studies - Proteins, peptides and amino acids 10064
Biochemistry studies - Carbohydrates 10068
Biophysics - Membrane phenomena 10508
Blood - Blood and lymph studies 15002
Blood - Blood cell studies 15004
Toxicology - General and methods 22501
IT Major Concepts
Blood and Lymphatics (Transport and Circulation); Membranes (Cell Biology)
IT Miscellaneous Descriptors
TRIMERESURUS-ALBOLABRIS VENOM HUMAN BOVINE VON WILLEBRAND FACTOR PLATELET **AGGLUTINATION**
ORGN Classifier
Serpentes 85410
Super Taxa
Reptilia; Vertebrata; Chordata; Animalia
Taxa Notes
Animals, Chordates, Nonhuman Vertebrates, Reptiles, Vertebrates
ORGN Classifier
Bovidae 85715
Super Taxa
Artiodactyla; Mammalia; Vertebrata; Chordata; Animalia
Taxa Notes
Animals, Artiodactyls, Chordates, Mammals, Nonhuman Vertebrates, Nonhuman Mammals, Vertebrates

ORGN Classifier
Hominidae 86215
Super Taxa
Primates; Mammalia; Vertebrata; Chordata; Animalia
Taxa Notes
Animals, Chordates, Humans, Mammals, Primates, Vertebrates
RN 109319-16-6 (VON WILLEBRAND FACTOR)

ANSWER 2 OF 9 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 1992:92221 BIOSIS
DN PREV199293048771; BA93:48771
TI ALBOAGGREGIN B A NEW PLATELET AGONIST THAT BINDS TO PLATELET MEMBRANE GLYCOPROTEIN IB.
AU PENG M [Reprint author]; LU W; KIRBY E P
CS DEP BIOCHEM, THROMBOSIS RES CENT, PHILADELPHIA, PA 19140, USA
SO Biochemistry, (1991) Vol. 30, No. 49, pp. 11529-11536.
CODEN: BICHAW. ISSN: 0006-2960.
DT Article
FS BA
LA ENGLISH
ED Entered STN: 12 Feb 1992
Last Updated on STN: 12 Feb 1992
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Biochemistry studies - Carbohydrates 10068
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Blood - Blood cell studies 15004
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IT Miscellaneous Descriptors
TRIMERESURUS-ALBOLABRIS VENOM HUMAN BOVINE VON WILLEBRAND FACTOR PLATELET **AGGLUTINATION**
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Taxa Notes
Animals, Chordates, Nonhuman Vertebrates, Reptiles, Vertebrates
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Artiodactyla; Mammalia; Vertebrata; Chordata; Animalia
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Animals, Artiodactyls, Chordates, Mammals, Nonhuman Vertebrates, Nonhuman Mammals, Vertebrates

ORGN Classifier
Hominidae 86215
Super Taxa
Primates; Mammalia; Vertebrata; Chordata; Animalia
Taxa Notes
Animals, Chordates, Humans, Mammals, Primates, Vertebrates
RN 109319-16-6 (VON WILLEBRAND FACTOR)

10/048,212
L/Cook 5/18/06
updated
Search

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(FILE 'HOME' ENTERED AT 09:29:37 ON 18 MAY 2006)

FILE 'BIOSIS, CAPLUS, EMBASE, JAPIO' ENTERED AT 09:30:11 ON 18 MAY 2006

L1 237 S BSA AND PEPSIN
L2 4 S L1 AND AGGLUTIN?
L3 4 DUPLICATE REMOVE L2 (0 DUPLICATES REMOVED)

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d his

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L3 4 DUPLICATE REMOVE L2 (0 DUPLICATES REMOVED)

=>

ANSWER 6 OF 11 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights reserved on STN

AN 80097580 EMBASE
DN 1980097580
TI Immunological properties of peptic **fragments** of bovine serum albumin.
AU Dosa S.; Pesce A.J.; Ford D.J.; et al.
CS Dept. Med., Univ. Cincinnati Coll. Med., Cincinnati, Ohio, United States
SO Immunology, (1979) Vol. 38, No. 3, pp. 509-517. .
CODEN: IMMUAM
CY United Kingdom
DT Journal
FS 026 Immunology, Serology and Transplantation
LA English
ED Entered STN: 9 Dec 1991
Last Updated on STN: 9 Dec 1991
AB The effect of peptic degradation on the immunological and antigenic properties of bovine serum albumin (**BSA**) was investigated. Molecular **fragments** obtained after various times of digestion (3-360 min) were studied. Enzymatic digestion resulted in a rapid loss of serologically defined antigenic determinants. The immunogenicity of the **fragments** as measured by the level of reaginic and total anti **BSA antibody** response in BDF1 mice was also diminished. Pre-treatment of mice with **fragments** exhibiting a low density of B-cell interacting determinants before immunization with **BSA**, resulted in significant suppression of both the primary and secondary **antibody** response. The most effective immunosuppressive **fragments** were obtained following removal of peptides which bound to anti **BSA antibodies**. It was concluded that separate determinants on the **BSA** molecule were responsible for the immunogenic and suppressive properties of the antigen.
CT Medical Descriptors:
*immune response
immunogenicity
immunosuppressive treatment
mouse
cattle
Drug Descriptors:
*epitope
*bovine serum albumin
***pepsin a**
RN (**pepsin** a) 9001-75-6

ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1986:108069 CAPLUS
DN 104:108069
ED Entered STN: 05 Apr 1986
TI Effect of lectins and the mixing of proteins on rate of protein digestibility
AU Thompson, Lilian U.; Tenebaum, Alan V.; Hui, Hoppy
CS Dep. Nutr. Sci., Univ. Toronto, Toronto, ON, M5S 1A8, Can.
SO Journal of Food Science (1986), 51(1), 150-2, 160
CODEN: JFDSAZ; ISSN: 0022-1147
DT Journal
LA English
CC 17-5 (Food and Feed Chemistry)
Section cross-reference(s): 4
AB The rate of digestibility of protein in raw bean extract (RBE), heat-treated bean extract (HBE), casein and bovine serum albumin (**BSA**) was determined The **pepsin** and(or) pancreatin hydrolysis of RBE which contains lectins or hemagglutinins was less than that of other proteins. Addition of lectins at the same concentration present in RBE decreased the rate of digestion of HBE, casein and **BSA** to levels close to that of RBE. In comparison with the resp. single proteins, mixts. of RBE or HBE with casein have lower digestibilities than does a mixture of casein and **BSA**. The results suggest that lectins can affect the activity of digestive enzymes and that mixing of proteins has an effect on digestibility which is unpredicted by amino acid composition
ST protein digestibility bean lectin; casein digestibility lectin
IT Albumins, blood serum
Caseins, biological studies
Proteins
RL: PRP (Properties)
(digestibility of, bean lectins effect on)
IT Bean
(lectins of, protein digestibility response to)
IT **Agglutinins** and Lectins
RL: BIOL (Biological study)
(of beans, protein digestibility response to)
IT Digestibility
(of proteins, bean lectins effect on)

ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1986:108069 CAPLUS
DN 104:108069
ED Entered STN: 05 Apr 1986
TI Effect of lectins and the mixing of proteins on rate of protein digestibility
AU Thompson, Lilian U.; Tenebaum, Alan V.; Hui, Hoppy
CS Dep. Nutr. Sci., Univ. Toronto, Toronto, ON, M5S 1A8, Can.
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DT Journal
LA English
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IT Albumins, blood serum
Caseins, biological studies
Proteins
RL: PRP (Properties)
(digestibility of, bean lectins effect on)
IT Bean
(lectins of, protein digestibility response to)
IT **Agglutinins** and Lectins
RL: BIOL (Biological study)
(of beans, protein digestibility response to)
IT Digestibility
(of proteins, bean lectins effect on)

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     FILE 'BIOSIS, CAPLUS, EMBASE, JAPIO' ENTERED AT 09:30:11 ON 18 MAY 2006
L1           237 S BSA AND PEPSIN
L2             4 S L1 AND AGGLUTIN?
L3             4 DUPLICATE REMOVE L2 (0 DUPLICATES REMOVED)
L4          1616 S BSA AND FRAG?
L5            39 S L4 AND PEPSIN?
L6            17 S L5 AND ANTIBOD?
L7            11 DUPLICATE REMOVE L6 (6 DUPLICATES REMOVED)

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Notes:	Available on ADONIS, v. 72, no. 1 (1991) - v. 107, no. 3 (2002) Also available on CD-ROM and to subscribers via the World Wide Web. Official journal of the British Society for Immunology.
ISSN:	0019-2805 0953-4954
Subjects:	Immunology -- Periodicals. Allergy and Immunology -- Periodicals.
LC or local subject headings:	Immunology -- Periodicals. Allergy and Immunology -- Periodicals.
Description:	v. ill., diagrs. 25 cm.

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L1           237 S BSA AND PEPSIN
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L6            17 S L5 AND ANTIBOD?
L7            11 DUPLICATE REMOVE L6 (6 DUPLICATES REMOVED)
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ANSWER 8 OF 11 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
DUPLICATE 3
AN 1978:134005 BIOSIS
DN PREV197865021005; BA65:21005
TI IMMUNO SUPPRESSIVE PROPERTIES OF A PEPTIC **FRAGMENT** OF BOVINE SERUM ALBUMIN.
AU MUCKERHEIDE A [Reprint author]; PESCE A J; GABRIEL MICHAEL J
CS DEP MICROBIOL, UNIV CINCI COLL MED, CINCINNATI, OHIO 45267, USA
SO Journal of Immunology, (1977) Vol. 119, No. 4, pp. 1340-1345.
CODEN: JOIMA3. ISSN: 0022-1767.
DT Article
FS BA
LA ENGLISH
AB The immunogenic properties of a peptic **fragment** of **BSA** [bovine serum albumin] were investigated. **BSA** was subjected to limited proteolysis by **pepsin** and the resulting **fragments** were separated on DEAE cellulose. The **fragment** under consideration, fraction Ia (MW 8000-10,000), did not precipitate with anti-**BSA** serum but did inhibit the binding of specific **antibody** to labeled **BSA**, indicating the presence of determinants found on the native antigen. BDF1 mice immunized with fraction Ia in Al (OH)3 gel or in complete Freund's adjuvant produced no significant **antibody** response as measured by passive cutaneous anaphylaxis (PCA) or by a modified Farr assay. The **fragment** elicited a PCA reaction in mouse skin sensitized with anti-**BSA** serum. Treatment of mice with single doses of fraction Ia at various time intervals before immunization with **BSA** resulted in significant suppression of the formation of anti-**BSA antibody**. The conditions of suppression of the Ig[immunoglobulin]E response by the peptic **fragment** were studied in greater detail. Such suppression probably can be attributed to the presence of specific T [thymus-derived] suppressor cells.
CC Radiation biology - Radiation and isotope techniques 06504
Biochemistry methods - Proteins, peptides and amino acids 10054
Biochemistry methods - Carbohydrates 10058
Biochemistry studies - Proteins, peptides and amino acids 10064
Biochemistry studies - Carbohydrates 10068
Biophysics - Methods and techniques 10504
Biophysics - Molecular properties and macromolecules 10506
Enzymes - Methods 10804
Movement 12100
Pathology - Inflammation and inflammatory disease 12508
Metabolism - Carbohydrates 13004
Metabolism - Proteins, peptides and amino acids 13012
Blood - Blood and lymph studies 15002
Endocrine - Thymus 17016
Integumentary system - Pathology 18506
Physiology and biochemistry of bacteria 31000
Immunology - General and methods 34502
Immunology - Immunopathology, tissue immunology 34508
Allergy 35500
IT Major Concepts
Biochemistry and Molecular Biophysics; Blood and Lymphatics (Transport and Circulation); Endocrine System (Chemical Coordination and Homeostasis); Immune System (Chemical Coordination and Homeostasis)
IT Miscellaneous Descriptors
MOUSE COMPLETE FREUNDS ADJUVANT SUPPRESSED IMMUNO GLOBULIN E RESPONSE SUPPRESSOR THYMUS DERIVED CELLS
ORGN Classifier
Actinomycetes and Related Organisms 08800
Super Taxa
Eubacteria; Bacteria; Microorganisms
Taxa Notes
Bacteria, Eubacteria, Microorganisms

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DUPLICATE 3
AN 1978:134005 BIOSIS
DN PREV197865021005; BA65:21005
TI IMMUNO SUPPRESSIVE PROPERTIES OF A PEPTIC **FRAGMENT** OF BOVINE SERUM ALBUMIN.
AU MUCKERHEIDE A [Reprint author]; PESCE A J; GABRIEL MICHAEL J
CS DEP MICROBIOL, UNIV CINCI COLL MED, CINCINNATI, OHIO 45267, USA
SO Journal of Immunology, (1977) Vol. 119, No. 4, pp. 1340-1345.
CODEN: JOIMA3. ISSN: 0022-1767.
DT Article
FS BA
LA ENGLISH
AB The immunogenic properties of a peptic **fragment** of **BSA** [bovine serum albumin] were investigated. **BSA** was subjected to limited proteolysis by **pepsin** and the resulting **fragments** were separated on DEAE cellulose. The **fragment** under consideration, fraction Ia (MW 8000-10,000), did not precipitate with anti-**BSA** serum but did inhibit the binding of specific **antibody** to labeled **BSA**, indicating the presence of determinants found on the native antigen. BDF1 mice immunized with fraction Ia in Al (OH)3 gel or in complete Freund's adjuvant produced no significant **antibody** response as measured by passive cutaneous anaphylaxis (PCA) or by a modified Farr assay. The **fragment** elicited a PCA reaction in mouse skin sensitized with anti-**BSA** serum. Treatment of mice with single doses of fraction Ia at various time intervals before immunization with **BSA** resulted in significant suppression of the formation of anti-**BSA antibody**.
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Biochemistry methods - Proteins, peptides and amino acids 10054
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Biochemistry studies - Proteins, peptides and amino acids 10064
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Immunology - General and methods 34502
Immunology - Immunopathology, tissue immunology 34508
Allergy 35500
IT Major Concepts
Biochemistry and Molecular Biophysics; Blood and Lymphatics (Transport and Circulation); Endocrine System (Chemical Coordination and Homeostasis); Immune System (Chemical Coordination and Homeostasis)
IT Miscellaneous Descriptors
MOUSE COMPLETE FREUNDS ADJUVANT SUPPRESSED IMMUNO GLOBULIN E RESPONSE SUPPRESSOR THYMUS DERIVED CELLS
ORGN Classifier
Actinomycetes and Related Organisms 08800
Super Taxa
Eubacteria; Bacteria; Microorganisms
Taxa Notes
Bacteria, Eubacteria, Microorganisms

ORGN Classifier
Bovidae 85715
Super Taxa
Artiodactyla; Mammalia; Vertebrata; Chordata; Animalia
Taxa Notes
Animals, Artiodactyls, Chordates, Mammals, Nonhuman Vertebrates, Nonhuman Mammals, Vertebrates
ORGN Classifier
Muridae 86375
Super Taxa
Rodentia; Mammalia; Vertebrata; Chordata; Animalia
Taxa Notes
Animals, Chordates, Mammals, Nonhuman Vertebrates, Nonhuman Mammals, Rodents, Vertebrates

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AN 80097580 EMBASE
DN 1980097580
TI Immunological properties of peptic **fragments** of bovine serum albumin.
AU Dosa S.; Pesce A.J.; Ford D.J.; et al.
CS Dept. Med., Univ. Cincinnati Coll. Med., Cincinnati, Ohio, United States
SO Immunology, (1979) Vol. 38, No. 3, pp. 509-517. .
CODEN: IMMUAM
CY United Kingdom
DT Journal
FS 026 Immunology, Serology and Transplantation
LA English
ED Entered STN: 9 Dec 1991
Last Updated on STN: 9 Dec 1991
AB The effect of peptic degradation on the immunological and antigenic properties of bovine serum albumin (**BSA**) was investigated. Molecular **fragments** obtained after various times of digestion (3-360 min) were studied. Enzymatic digestion resulted in a rapid loss of serologically defined antigenic determinants. The immunogenicity of the **fragments** as measured by the level of reaginic and total anti **BSA antibody** response in BDF1 mice was also diminished. Pre-treatment of mice with **fragments** exhibiting a low density of B-cell interacting determinants before immunization with **BSA**, resulted in significant suppression of both the primary and secondary **antibody** response. The most effective immunosuppressive **fragments** were obtained following removal of peptides which bound to anti **BSA antibodies**. It was concluded that separate determinants on the **BSA** molecule were responsible for the immunogenic and suppressive properties of the antigen.
CT Medical Descriptors:
*immune response
immunogenicity
immunosuppressive treatment
mouse
cattle
Drug Descriptors:
*epitope
*bovine serum albumin
***pepsin a**
RN (**pepsin** a) 9001-75-6